



Job Number: 11286-159
 Company: Wexpro Company
 Lease/Well: Wexpro Carl Allen #37
 Location: Sec 4, T11N, R97W, 6 PM
 Rig Name: SST 88
 RKB: 6604 Ft (Actual)
 G.L. or M.S.L.: 6576 Ft (Surveyed)

State/Country: Moffat County, Colorado
 Declination:
 Grid:
 File name: P:\WEXPRO\11286~~1\EOW\EOW-MD~1\CLOSUR~1\11
 Date/Time: 09-Jan-12 / 13:30
 Curve Name: Wexpro Carl Allen #37: MD TD: 9,127 Ft

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WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 355.41
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Tie-In Pt									
161.00	.50	10.20	161.00	.69	.12	.68	.70	10.20	.31
251.00	.40	37.50	251.00	1.33	.39	1.29	1.38	16.19	.26
342.00	.30	356.00	341.99	1.82	.56	1.77	1.90	17.19	.29
434.00	1.70	345.80	433.98	3.38	.21	3.35	3.39	3.56	1.53
525.00	3.30	1.10	524.89	7.31	-.07	7.29	7.31	359.45	1.89
617.00	4.50	350.20	616.68	13.51	-.63	13.52	13.53	357.31	1.53
708.00	5.70	357.90	707.31	21.55	-1.41	21.59	21.59	356.26	1.52
798.00	6.70	357.20	796.79	31.26	-1.83	31.30	31.31	356.65	1.11
894.00	7.90	354.40	892.01	43.42	-2.74	43.50	43.50	356.38	1.30
989.00	9.00	352.30	985.97	57.28	-4.38	57.44	57.45	355.63	1.20
1084.00	10.10	349.00	1079.66	72.82	-6.96	73.14	73.15	354.54	1.29
1180.00	10.70	347.00	1174.08	89.77	-10.57	90.32	90.39	353.28	.73
1275.00	11.40	347.40	1267.32	107.52	-14.61	108.35	108.51	352.26	.74
1370.00	11.50	346.70	1360.43	125.90	-18.83	127.00	127.30	351.49	.18
1465.00	11.40	350.70	1453.54	144.38	-22.53	145.72	146.13	351.13	.84
9-5/8" Surface Csg									
1534.00	11.62	350.57	1521.15	157.96	-24.77	159.44	159.89	351.09	.32
1624.00	11.90	350.40	1609.26	176.05	-27.80	177.71	178.23	351.03	.32
1720.00	12.20	356.70	1703.15	195.94	-30.04	197.72	198.23	351.28	1.40
1815.00	13.40	.10	1795.79	216.97	-30.59	218.72	219.12	351.97	1.49
1911.00	13.20	359.40	1889.22	239.05	-30.69	240.74	241.02	352.68	.27
2006.00	13.30	359.50	1981.69	260.83	-30.90	262.46	262.65	353.24	.11

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2102.00	13.10	.80	2075.15	282.75	-30.84	284.31	284.43	353.77	.37
2197.00	14.00	1.30	2167.50	305.00	-30.43	306.46	306.52	354.30	.96
2293.00	13.60	1.80	2260.73	327.89	-29.81	329.23	329.24	354.80	.43
2388.00	13.60	1.30	2353.07	350.22	-29.21	351.44	351.44	355.23	.12
2483.00	13.50	.20	2445.43	372.48	-28.92	373.60	373.60	355.56	.29
2579.00	13.50	.80	2538.77	394.89	-28.72	395.92	395.93	355.84	.15
2674.00	13.70	359.70	2631.11	417.22	-28.63	418.18	418.21	356.07	.34
2770.00	13.60	358.50	2724.40	439.88	-28.98	440.78	440.83	356.23	.31
2865.00	13.60	357.80	2816.73	462.20	-29.70	463.10	463.16	356.32	.17
2960.00	13.30	357.40	2909.13	484.28	-30.63	485.18	485.25	356.38	.33
3056.00	13.20	358.60	3002.57	506.27	-31.40	507.16	507.24	356.45	.30
3151.00	12.50	358.30	3095.19	527.39	-31.97	528.25	528.36	356.53	.74
3246.00	12.10	358.10	3188.01	547.62	-32.60	548.47	548.58	356.59	.42
3342.00	13.00	359.90	3281.72	568.47	-32.95	569.28	569.42	356.68	1.02
3437.00	13.20	358.50	3374.25	590.00	-33.26	590.77	590.93	356.77	.39
3533.00	13.70	355.00	3467.62	612.28	-34.53	613.08	613.25	356.77	.99
3628.00	13.40	355.70	3559.97	634.46	-36.34	635.34	635.50	356.72	.36
3724.00	13.50	353.50	3653.34	656.69	-38.44	657.66	657.81	356.65	.54
3819.00	13.40	355.70	3745.73	678.69	-40.52	679.75	679.89	356.58	.55
3915.00	13.40	355.10	3839.12	700.86	-42.31	702.00	702.14	356.55	.14
4010.00	13.30	355.00	3931.55	722.71	-44.20	723.93	724.06	356.50	.11
4106.00	13.20	353.00	4025.00	744.59	-46.50	745.93	746.04	356.43	.49
4201.00	13.40	352.10	4117.45	766.26	-49.33	767.75	767.85	356.32	.30
4297.00	13.80	355.50	4210.76	788.70	-51.76	790.31	790.39	356.25	.93
4392.00	13.60	356.20	4303.06	811.14	-53.39	812.81	812.89	356.23	.27
4487.00	12.80	356.70	4395.55	832.79	-54.74	834.50	834.58	356.24	.85
4583.00	12.70	356.20	4489.18	853.93	-56.05	855.68	855.77	356.24	.16
4678.00	11.90	356.20	4582.00	874.13	-57.39	875.92	876.01	356.24	.84
4773.00	11.20	355.50	4675.07	893.10	-58.76	894.94	895.03	356.24	.75
4869.00	9.90	359.40	4769.45	910.65	-59.58	912.49	912.59	356.26	1.54
4964.00	9.20	356.20	4863.13	926.39	-60.17	928.23	928.34	356.28	.92
5059.00	8.40	357.40	4957.01	940.90	-60.99	942.76	942.87	356.29	.86
5155.00	7.50	356.40	5052.09	954.16	-61.70	956.04	956.15	356.30	.95
5250.00	6.50	357.40	5146.38	965.72	-62.33	967.61	967.73	356.31	1.06
5345.00	5.70	358.50	5240.84	975.81	-62.70	977.69	977.82	356.32	.85
5441.00	5.00	356.70	5336.42	984.75	-63.06	986.64	986.77	356.34	.75
5536.00	3.90	354.40	5431.14	992.10	-63.62	994.01	994.13	356.33	1.17
5632.00	2.30	341.40	5526.99	997.17	-64.55	999.14	999.26	356.30	1.81
5727.00	1.70	346.50	5621.94	1000.35	-65.49	1002.38	1002.49	356.25	.66
5823.00	1.40	322.80	5717.90	1002.67	-66.53	1004.78	1004.87	356.20	.73
5918.00	.10	98.50	5812.89	1003.58	-67.15	1005.73	1005.82	356.17	1.55
6013.00	.20	355.40	5907.89	1003.73	-67.08	1005.88	1005.97	356.18	.26
6109.00	.20	238.10	6003.89	1003.81	-67.24	1005.97	1006.06	356.17	.36
6204.00	.80	242.60	6098.89	1003.42	-67.97	1005.64	1005.72	356.13	.63
6299.00	1.20	247.70	6193.87	1002.74	-69.47	1005.08	1005.14	356.04	.43

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6395.00	.80	276.00	6289.86	1002.42	-71.07	1004.90	1004.94	355.94	.65
6490.00	1.40	274.30	6384.84	1002.58	-72.89	1005.20	1005.23	355.84	.63
6586.00	1.20	308.90	6480.82	1003.30	-74.84	1006.07	1006.09	355.73	.83
6681.00	.40	6.90	6575.81	1004.25	-75.57	1007.08	1007.09	355.70	1.10
6776.00	.40	325.10	6670.81	1004.85	-75.72	1007.69	1007.70	355.69	.30
6872.00	.60	312.80	6766.80	1005.47	-76.28	1008.35	1008.36	355.66	.24
6968.00	.40	270.60	6862.80	1005.82	-76.99	1008.75	1008.76	355.62	.42
7063.00	.80	290.40	6957.79	1006.05	-77.94	1009.06	1009.07	355.57	.47
7158.00	.30	101.70	7052.79	1006.23	-78.32	1009.27	1009.27	355.55	1.16
7254.00	.20	37.30	7148.79	1006.31	-77.97	1009.33	1009.33	355.57	.29
7350.00	.30	125.90	7244.79	1006.30	-77.67	1009.29	1009.29	355.59	.37
7445.00	.20	246.10	7339.79	1006.09	-77.62	1009.07	1009.08	355.59	.46
7540.00	.50	284.60	7434.79	1006.12	-78.17	1009.15	1009.16	355.56	.38
7636.00	.80	314.50	7530.78	1006.70	-79.05	1009.80	1009.80	355.51	.46
7731.00	1.10	306.40	7625.77	1007.71	-80.26	1010.90	1010.90	355.45	.35
7826.00	1.30	318.20	7720.75	1009.05	-81.71	1012.35	1012.35	355.37	.33
7922.00	1.50	318.00	7816.72	1010.80	-83.28	1014.22	1014.22	355.29	.21
8017.00	.80	24.30	7911.70	1012.32	-83.84	1015.79	1015.79	355.27	1.46
8113.00	.60	338.10	8007.70	1013.40	-83.75	1016.85	1016.86	355.28	.60
8208.00	1.00	324.70	8102.69	1014.54	-84.41	1018.04	1018.05	355.24	.46
Last MWD Survey									
8289.00	1.00	314.00	8183.67	1015.61	-85.33	1019.18	1019.19	355.20	.23
9092.00	2.00	257.35	8986.43	1017.41	-104.05	1022.47	1022.71	354.16	.21
TD Extrapolation (MD TD: 9,127 Ft)									
9127.00	2.00	257.35	9021.40	1017.14	-105.24	1022.30	1022.57	354.09	.00